CIVIL AIM CONSULTANTS & ENGINEERS

(Building Geo-Tech & Highway Materials Testing Laboratory)

An ISO 9001-2015 Certified Company

NABL Accredited As Per ISO/IEC 17025:2017 Laboratory

Job No.: CACE/BBMP/KTR/W.No.14 /2021-22 Date: 24.06.2022

TEST REPORT ON STABILITY OF MIX

Client	:	**Assistant Executive Engineer ,Dasarahalli Sub division, BBMP, Bangalore.**
Agency	:	**M/s K T R Constructions(Prop.K.T.Ravi),** Contractor, Mysore.
Name of the Work	:	Improvements of roads and drains in Vijaya Bharathi School Surroundings and Other area in Bagalagunte ward no.14, BBMP, Bangalore.
Source of location	:	Hot mix Plant, Bangalore
Type of Mix	:	Bituminous Concrete
Date of Testing	:	24.06.2022

The results of the tests conducted on the Bituminous Concrete mix sample are as follows:

Sl. No	Description	Test Result 1	Test Result 2	Requirement as per MORTH (Table 500-19)
1	Marshal Stability, Kn	9.57	10.15	9 Kn (min)
2	Marshal flow, mm	3.52	3.47	2 – 4
3	Percent air voids in Mineral Aggregate	14.21	14.17	13 – 15
4	Voids in Compacted Mix	4.23	4.95	3 – 6
5	Percent Voids filled with Bitumen	67.39	69.12	65 - 75
6	Density, g/cc	2.22	2.24	--

Note:

⇒ This test report shall not be reproduced except in full, without written approval of the laboratory.

⇒ The results indicated above are based on the tests carried out on the samples collected at the site.

⇒ Any Query regarding the report must be reported within 30 days from the date of testing.

For CIVIL AIM CONSULTANTS & ENGINEERS

Authorised Signatory

No. 01, Satvika Nilaya, Opp. Widia Poorna Prajna School,
Ramaiah Layout, Nagasandra, Bangalore - 560 073.
Ph: 9591618639, GSTIN: 29CNWPD9510K1ZB, Email: civilaimconsultants@gmail.com

Scanned with OKEN Scanner

CIVIL AIM CONSULTANTS & ENGINEERS
(Building Geo-Tech & Highway Materials Testing Laboratory)
An ISO 9001-2015 Certified Company
NABL Accredited As Per ISO/IEC 17025:2017 Laboratory

Job No.: CACE/BBMP/KTR/W.No.14 /2021-22 Date: 30.06.2022

TEST REPORT ON STABILITY OF MIX

Client	:	**Assistant Executive Engineer ,Dasarahalli Sub division, BBMP, Bangalore.**
Agency	:	**M/s K T R Constructions(Prop.K.T.Ravi),** Contractor, Mysore.
Name of the Work	:	Improvements of roads and drains in Vijaya Bharathi School Surroundings and Other area in Bagalagunte ward no.14, BBMP, Bangalore.
Source of location	:	Hot mix Plant, Bangalore
Type of Mix	:	Bituminous Concrete
Date of Testing	:	30.06.2022

The results of the tests conducted on the Bituminous Concrete mix sample are as follows:

Sl. No	Description	Test Result 1	Test Result 2	Requirement as per MORTH (Table 500-19)
1	Marshal Stability, Kn	9.71	10.52	9 Kn (min)
2	Marshal flow, mm	2.73	3.27	2 – 4
3	Percent air voids in Mineral Aggregate	13.34	14.35	13 – 15
4	Voids in Compacted Mix	3.81	4.73	3 – 6
5	Percent Voids filled with Bitumen	70.13	71.28	65 - 75
6	Density, g/cc	2.22	2.25	--

Note:

⇒ This test report shall not be reproduced except in full, without written approval of the laboratory.
⇒ The results indicated above are based on the tests carried out on the samples collected at the site.
⇒ Any Query regarding the report must be reported within 30 days from the date of testing.

For CIVIL AIM CONSULTANTS & ENGINEERS

Authorised Signatory

No. 01, Satvika Nilaya, Opp. Widia Poorna Prajna School,
Ramaiah Layout, Nagasandra, Bangalore - 560 073.
Ph: 9591618639, GSTIN: 29CNWPD9510K1ZB, Email: civilaimconsultants@gmail.com

Scanned with OKEN Scanner

CIVIL AIM CONSULTANTS & ENGINEERS

(Building Geo-Tech & Highway Materials Testing Laboratory)

An ISO 9001-2015 Certified Company

NABL Accredited As Per ISO/IEC 17025:2017 Laboratory

Job No.: CACE/BBMP/KTR/W.No.14 /2021-22 Date: 30.06.2022

TEST REPORT ON STABILITY OF MIX

Client	:	**Assistant Executive Engineer ,Dasarahalli Sub division, BBMP, Bangalore.**
Agency	:	**M/s K T R Constructions(Prop.K.T.Ravi),** Contractor, Mysore.
Name of the Work	:	Improvements of roads and drains in Vijaya Bharathi School Surroundings and Other area in Bagalagunte ward no.14, BBMP, Bangalore.
Source of location	:	Hot mix Plant, Bangalore
Type of Mix	:	Bituminous Concrete
Date of Testing	:	30.06.2022

The results of the tests conducted on the Bituminous Concrete mix sample are as follows:

Sl. No	Description	Test Result 1	Test Result 2	Requirement as per MORTH (Table 500-19)
1	Marshal Stability, Kn	9.84	9.21	9 Kn (min)
2	Marshal flow, mm	3.29	2.95	2 – 4
3	Percent air voids in Mineral Aggregate	13.72	14.15	13 – 15
4	Voids in Compacted Mix	3.91	4.36	3 – 6
5	Percent Voids filled with Bitumen	69.69	70.95	65 - 75
6	Density, g/cc	2.24	2.26	--

Note:

⇒ This test report shall not be reproduced except in full, without written approval of the laboratory.

⇒ The results indicated above are based on the tests carried out on the samples collected at the site.

⇒ Any Query regarding the report must be reported within 30 days from the date of testing.

For CIVIL AIM CONSULTANTS & ENGINEERS

Authorised Signatory

. 01, Satvika Nilaya, Opp. Widia Poorna Prajna School,
maiah Layout, Nagasandra, Bangalore - 560 073.
: 9591618639, GSTIN: 29CNWPD9510K1ZB, Email: civilaimconsultants@

Scanned with OKEN Scanner

CIVIL AIM CONSULTANTS & ENGINEERS

(Building Geo-Tech & Highway Materials Testing Laboratory)

An ISO 9001-2015 Certified Company

NABL Accredited As Per ISO/IEC 17025:2017 Laboratory

Job No.: CACE/BBMP/KTR/W.No.14 /2021-22 Date : 21.06.2022

BITUMEN CONTENT AND GRADATION DETERMINATION OF BITUMINOUS CONCRETE

AASHTO T 164 & AASHTO T 30

CLIENT	Assistant Executive Engineer ,Dasarahalli Sub division, BBMP, Bangalore.
AGENCY	M/s K T R Constructions(Prop.K.T.Ravi), Contractor, Mysore.
NAME OF THE WORK	Improvements of roads and drains in Vijaya Bharathi School Surroundings and Other area in Bagalagunte ward no.14, BBMP, Bangalore.
SAMPLE ID	Hot Mix Plant, Bangalore
DATE OF TESTING	21.06.2022

BITUMEN CONTENT DETERMINATION

Description	Sample 1	Sample 2
1. Weight of Mixture before Test, g	500	500
2. Weight of Mixture after Test, g	471.5	472.5
3. Weight of Asphalt and Mineral matter Extracted, g	28.5	27.5
4. Weight of Mineral Matter, g.	-	-
5. Weight of Ash, g	-	-
6. Weight of Bitumen Extracted, g. (corrected)	28.5	27.5
7. Bitumen content in %	5.70	5.50
8. Average	5.60	

GRADATION AFTER EXTRACTION

SIEVE SIZE	Test 1				Requirement as per MORTH table 500.17
mm	Weight Retained, gm	Cummulative Weight Retained	%Cummulative Retained	% Passing	
19	0	0	0	100	100
13.2	14	14	3.0	97.0	90 - 100
9.5	69.3	83.3	17.7	82.3	70 - 88
4.75	93.9	177.2	37.6	62.4	53 - 71
2.36	43.5	220.7	46.8	53.2	42 - 58
1.18	38.2	258.9	54.9	45.1	34 - 48
0.600	39.2	298.1	63.2	36.8	26 - 38
0.300	46.3	344.4	73.0	27.0	18 - 28
0.150	36.2	380.6	80.7	19.3	12 - 20
0.075	46.9	427.5	90.7	9.3	4 - 10

SIEVE SIZE	Test 2				Requirement as per MORTH table 500.17
mm	Weight Retained, gm	Cummulative Weight Retained	%Cummulative Retained	% Passing	
19	0	0	0	100	100
13.2	14.6	14.6	3.1	96.9	90 - 100
9.5	61.8	76.4	16.2	83.8	70 - 88
4.75	91.1	167.5	35.4	64.6	53 - 71
2.36	46.3	213.8	45.2	54.8	42 - 58
1.18	43.1	256.9	54.4	45.6	34 - 48
0.600	52.1	309	65.4	34.6	26 - 38
0.300	49.8	358.8	75.9	24.1	18 - 28
0.150	35.8	394.6	83.5	16.5	12 - 20
0.075	40.2	434.8	92.0	8.0	4 - 10

Note:

- This test report should not be reproduced except in full, without written approval of the laboratory
- The results indicated above are based on the tests carried out on the samples collected at the site.
- Sample will be disposed after 30 days from the date of testing

For CIVIL AIM CONSULTANTS & ENGINEERS

Authorised Signatory

No. 01, Satvika Nilaya, Opp. Widia Poorna Prajna School,
Ramaiah Layout, Nagasandra, Bangalore - 560 073.
Ph: 9591618639, GSTIN: 29CNWPD9510K1ZB, Email: civilaimconsultants@gmail.com

Scanned with OKEN Scanner

CIVIL AIM CONSULTANTS & ENGINEERS

(Building Geo-Tech & Highway Materials Testing Laboratory)

An ISO 9001-2015 Certified Company

NABL Accredited As Per ISO/IEC 17025:2017 Laboratory

Job No.: CACE/BBMP/KTR/W.No.14 /2021-22 Date : 21.06.2022

BITUMEN CONTENT AND GRADATION DETERMINATION OF BITUMINOUS CONCRETE

AASHTO T 164 & AASHTO T 30

CLIENT	Assistant Executive Engineer ,Dasarahalli Sub division, BBMP, Bangalore.
AGENCY	M/s K T R Constructions(Prop.K.T.Ravi), Contractor, Mysore.
NAME OF THE WORK	Improvements of roads and drains in Vijaya Bharathi School Surroundings and Other area in Bagalagunte ward no.14, BBMP, Bangalore.
SAMPLE ID	Hot Mix Plant, Bangalore
DATE OF TESTING	21.06.2022

BITUMEN CONTENT DETERMINATION

Description	Sample 1	Sample 2
1. Weight of Mixture before Test, g	500	500
2. Weight of Mixture after Test, g	472.5	472.5
3. Weight of Asphalt and Mineral matter Extracted, g	27.5	27.5
4. Weight of Mineral Matter, g.	-	-
5. Weight of Ash, g	-	-
6. Weight of Bitumen Extracted, g. (corrected)	27.5	27.5
7. Bitumen content in %	5.50	5.50
8. Average	5.50	

GRADATION AFTER EXTRACTION

SIEVE SIZE	Test 1				Requirement as per MORTH table 500.17
mm	Weight Retained, gm	Cummulative Weight Retained	%Cummulative Retained	% Passing	
19	0	0	0	100	100
13.2	16.4	16.4	3.5	96.5	90 - 100
9.5	67.8	84.2	17.8	82.2	70 - 88
4.75	90.7	174.9	37.0	63.0	53 - 71
2.36	45.1	220	46.6	53.4	42 - 58
1.18	36.3	256.3	54.2	45.8	34 - 48
0.600	55.2	311.5	65.9	34.1	26 - 38
0.300	42.9	354.4	75.0	25.0	18 - 28
0.150	36.2	390.6	82.7	17.3	12 - 20
0.075	40.9	431.5	91.3	8.7	4 - 10

SIEVE SIZE	Test 2				Requirement as per MORTH table 500.17
mm	Weight Retained, gm	Cummulative Weight Retained	%Cummulative Retained	% Passing	
19	0	0	0	100	100
13.2	18.2	18.2	3.9	96.1	90 - 100
9.5	67.3	85.5	18.1	81.9	70 - 88
4.75	93.2	178.7	37.8	62.2	53 - 71
2.36	46.7	225.4	47.7	52.3	42 - 58
1.18	49.8	275.2	58.2	41.8	34 - 48
0.600	55.1	330.3	69.9	30.1	26 - 38
0.300	48.2	378.5	80.1	19.9	18 - 28
0.150	36.1	414.6	87.7	12.3	12 - 20
0.075	32.6	447.2	94.6	5.4	4 - 10

For CIVIL AIM CONSULTANTS & ENGINEERS

Authorised Signatory

Note:

- This test report should not be reproduced except in full, without written approval of the laboratory
- The results indicated above are based on the tests carried out on the samples collected at the site.
- Any Query regarding the report must be reported within 30 days from the date of testing.

No. 01, Satvika Nilaya, Opp. Widia Poorna Prajna School,
Ramaiah Layout, Nagasandra, Bangalore - 560 073.
Ph: 9591618639, GSTIN: 29CNWPD9510K1ZB, Email: civilaimconsultants@gmail.com

Scanned with OKEN Scanner

CIVIL AIM CONSULTANTS & ENGINEERS

(Building Geo-Tech & Highway Materials Testing Laboratory)

An ISO 9001-2015 Certified Company

NABL Accredited As Per ISO/IEC 17025:2017 Laboratory

Job No.: CACE/BBMP/KTR/W.No.14 /2021-22 Date : 24.06.2022

BITUMEN CONTENT AND GRADATION DETERMINATION OF BITUMINOUS CONCRETE

AASHTO T 164 & AASHTO T 30

CLIENT	Assistant Executive Engineer ,Dasarahalli Sub division, BBMP, Bangalore.
AGENCY	M/s K T R Constructions(Prop.K.T.Ravi), Contractor, Mysore.
NAME OF THE WORK	Improvements of roads and drains in Vijaya Bharathi School Surroundings and Other area in Bagalagunte ward no.14, BBMP, Bangalore.
SAMPLE ID	Hot Mix Plant, Bangalore
DATE OF TESTING	24.06.2022

BITUMEN CONTENT DETERMINATION

Description	Sample 1	Sample 2
1. Weight of Mixture before Test, g	500	500
2. Weight of Mixture after Test, g	472	473
3. Weight of Asphalt and Mineral matter Extracted, g	28	27
4. Weight of Mineral Matter, g.	-	-
5. Weight of Ash, g	-	-
6. Weight of Bitumen Extracted, g. (corrected)	28	27
7. Bitumen content in %	5.60	5.40
8. Average	5.50	

GRADATION AFTER EXTRACTION

SIEVE SIZE mm	Test 1 Weight Retained, gm	Cummulative Weight Retained	%Cummulative Retained	% Passing	Requirement as per MORTH table 500.17
19	0	0	0	100	100
13.2	13.6	13.6	2.9	97.1	90 - 100
9.5	66.6	80.2	17.0	83.0	70 - 88
4.75	92.2	172.4	36.5	63.5	53 - 71
2.36	42.9	215.3	45.6	54.4	42 - 58
1.18	37.5	252.8	53.6	46.4	34 - 48
0.600	51.9	304.7	64.6	35.4	26 - 38
0.300	46.6	351.3	74.4	25.6	18 - 28
0.150	35.5	386.8	81.9	18.1	12 - 20
0.075	46.6	433.4	91.8	8.2	4 - 10

SIEVE SIZE mm	Test 2 Weight Retained, gm	Cummulative Weight Retained	%Cummulative Retained	% Passing	Requirement as per MORTH table 500.17
19	0	0	0	100	100
13.2	14.7	14.7	3.1	96.9	90 - 100
9.5	62.1	76.8	16.2	83.8	70 - 88
4.75	91.9	168.7	35.7	64.3	53 - 71
2.36	46	214.7	45.4	54.6	42 - 58
1.18	43.1	257.8	54.5	45.5	34 - 48
0.600	51.1	308.9	65.3	34.7	26 - 38
0.300	48.1	357	75.5	24.5	18 - 28
0.150	34.6	391.6	82.8	17.2	12 - 20
0.075	41.8	433.4	91.6	8.4	4 - 10

Note:

- This test report should not be reproduced except in full, without written approval of the laboratory
- The results indicated above are based on the tests carried out on the samples collected at the site.
- Any Query regarding the report must be reported within 30 days from the date of testing

For CIVIL AIM CONSULTANTS & ENGINEERS

Authorised Signatory

No. 01, Satvika Nilaya, Opp. Widia Poorna Prajna School,
Ramaiah Layout, Nagasandra, Bangalore - 560 073.
Ph: 9591618639, GSTIN: 29CNWPD9510K1ZB, Email: civilaimconsultants@gmail.com

Scanned with OKEN Scanner

CIVIL AIM CONSULTANTS & ENGINEERS

(Building Geo-Tech & Highway Materials Testing Laboratory)

An ISO 9001-2015 Certified Company

NABL Accredited As Per ISO/IEC 17025:2017 Laboratory

Job No.: CACE/BBMP/KTR/W.No.14 /2021-22 Date : 24.06.2022

BITUMEN CONTENT AND GRADATION DETERMINATION OF BITUMINOUS CONCRETE

AASHTO T 164 & AASHTO T 30

CLIENT	Assistant Executive Engineer ,Dasarahalli Sub division, BBMP, Bangalore.
AGENCY	M/s K T R Constructions(Prop.K.T.Ravi), Contractor, Mysore.
NAME OF THE WORK	Improvements of roads and drains in Vijaya Bharathi School Surroundings and Other area in Bagalagunte ward no.14, BBMP, Bangalore.
SAMPLE ID	Hot Mix Plant, Bangalore
DATE OF TESTING	24.06.2022

BITUMEN CONTENT DETERMINATION

Description	Sample 1	Sample 2
1. Weight of Mixture before Test, g	500	500
2. Weight of Mixture after Test, g	473	472.5
3. Weight of Asphalt and Mineral matter Extracted, g	27	27.5
4. Weight of Mineral Matter, g.	-	-
5. Weight of Ash, g	-	-
6. Weight of Bitumen Extracted, g. (corrected)	27	27.5
7. Bitumen content in %	5.40	5.50
8. Average	5.45	

GRADATION AFTER EXTRACTION

SIEVE SIZE	Test 1				Requirement as per MORTH table 500.17
mm	Weight Retained, gm	Cummulative Weight Retained	%Cummulative Retained	% Passing	
19	0	0	0	100	100
13.2	14.6	14.6	3.1	96.9	90 - 100
9.5	66.3	80.9	17.1	82.9	70 - 88
4.75	89.4	170.3	36.0	64.0	53 - 71
2.36	45	215.3	45.5	54.5	42 - 58
1.18	35.8	251.1	53.1	46.9	34 - 48
0.600	54.3	305.4	64.6	35.4	26 - 38
0.300	41.8	347.2	73.4	26.6	18 - 28
0.150	35.3	382.5	80.9	19.1	12 - 20
0.075	41.2	423.7	89.6	10.4	4 - 10

SIEVE SIZE	Test 2				Requirement as per MORTH table 500.17
mm	Weight Retained, gm	Cummulative Weight Retained	%Cummulative Retained	% Passing	
19	0	0	0	100	100
13.2	14.9	14.9	3.2	96.8	90 - 100
9.5	66.2	81.1	17.2	82.8	70 - 88
4.75	92.8	173.9	36.8	63.2	53 - 71
2.36	45.3	219.2	46.4	53.6	42 - 58
1.18	48.2	267.4	56.6	43.4	34 - 48
0.600	56.3	323.7	68.5	31.5	26 - 38
0.300	45.8	369.5	78.2	21.8	18 - 28
0.150	37.9	407.4	86.2	13.8	12 - 20
0.075	32.6	440	93.1	6.9	4 - 10

Note:

- This test report should not be reproduced except in full, without written approval of the laboratory
- The results indicated above are based on the tests carried out on the samples collected at the site.
- The samples will be retained for [illegible] from the date of testing

For CIVIL AIM CONSULTANTS & ENGINEERS

Authorised Signatory

No. 01, Satvika Nilaya, Opp. Widia Poorna Prajna School,
Ramaiah Layout, Nagasandra, Bangalore - 560 073.
Ph: 9591618639, GSTIN: 29CNWPD9510K1ZB, Email: civilaimconsultants@gmail.com

Scanned with OKEN Scanner

CIVIL AIM CONSULTANTS & ENGINEERS

(Building Geo-Tech & Highway Materials Testing Laboratory)

An ISO 9001-2015 Certified Company

NABL Accredited As Per ISO/IEC 17025:2017 Laboratory

Job No.: CACE/BBMP/KTR/W.No.14 /2021-22 Date : 30.06.2022

BITUMEN CONTENT AND GRADATION DETERMINATION OF BITUMINOUS CONCRETE

AASHTO T 164 & AASHTO T 30

CLIENT	Assistant Executive Engineer ,Dasarahalli Sub division, BBMP, Bangalore.
AGENCY	M/s K T R Constructions(Prop.K.T.Ravi), Contractor, Mysore.
NAME OF THE WORK	Improvements of roads and drains in Vijaya Bharathi School Surroundings and Other area in Bagalagunte ward no.14, BBMP, Bangalore.
SAMPLE ID	Hot Mix Plant, Bangalore
DATE OF TESTING	30.06.2022

BITUMEN CONTENT DETERMINATION

Description	Sample 1	Sample 2
1. Weight of Mixture before Test, g	500	500
2. Weight of Mixture after Test, g	472	472.5
3. Weight of Asphalt and Mineral matter Extracted, g	28	27.5
4. Weight of Mineral Matter, g.	-	-
5. Weight of Ash, g	-	-
6. Weight of Bitumen Extracted, g. (corrected)	28	27.5
7. Bitumen content in %	5.60	5.50
8. Average	5.55	

GRADATION AFTER EXTRACTION

SIEVE SIZE	Test 1				Requirement as per MORTH table 500.17
mm	Weight Retained, gm	Cummulative Weight Retained	%Cummulative Retained	% Passing	
19	0	0	0	100	100
13.2	13.2	13.2	2.8	97.2	90 - 100
9.5	69.1	82.3	17.4	82.6	70 - 88
4.75	92.2	174.5	37.0	63.0	53 - 71
2.36	42.2	216.7	45.9	54.1	42 - 58
1.18	36.6	253.3	53.7	46.3	34 - 48
0.600	50	303.3	64.3	35.7	26 - 38
0.300	46.6	349.9	74.1	25.9	18 - 28
0.150	35.5	385.4	81.7	18.3	12 - 20
0.075	46.5	431.9	91.5	8.5	4 - 10

SIEVE SIZE	Test 2				Requirement as per MORTH table 500.17
mm	Weight Retained, gm	Cummulative Weight Retained	%Cummulative Retained	% Passing	
19	0	0	0	100	100
13.2	14.4	14.4	3.0	97.0	90 - 100
9.5	62.2	76.6	16.2	83.8	70 - 88
4.75	89.9	166.5	35.2	64.8	53 - 71
2.36	46.5	213	45.1	54.9	42 - 58
1.18	43.5	256.5	54.3	45.7	34 - 48
0.600	52.2	308.7	65.3	34.7	26 - 38
0.300	49.9	358.6	75.9	24.1	18 - 28
0.150	35.5	394.1	83.4	16.6	12 - 20
0.075	40.2	434.3	91.9	8.1	4 - 10

Note:

- This test report should not be reproduced except in full, without written approval of the laboratory
- The results indicated above are based on the tests carried out on the samples collected at the site.
- Any Query regarding the report must be reported within 30 days from the date of testing

For CIVIL AIM CONSULTANTS & ENGINEERS

Authorised Signatory

No. 01, Satvika Nilaya, Opp. Widia Poorna Prajna School,
Ramaiah Layout, Nagasandra, Bangalore - 560 073.
Ph: 9591618639, GSTIN: 29CNWPD9510K1ZB, Email: civilaimconsultants@gmail.com

Scanned with OKEN Scanner

CIVIL AIM CONSULTANTS & ENGINEERS

(Building Geo-Tech & Highway Materials Testing Laboratory)

An ISO 9001-2015 Certified Company

NABL Accredited As Per ISO/IEC 17025:2017 Laboratory

Job No.: CACE/BBMP/KTR/W.No.14 /2021-22 Date : 30.06.2022

BITUMEN CONTENT AND GRADATION DETERMINATION OF BITUMINOUS CONCRETE

AASHTO T 164 & AASHTO T 30

CLIENT	Assistant Executive Engineer ,Dasarahalli Sub division, BBMP, Bangalore.
AGENCY	M/s K T R Constructions(Prop.K.T.Ravi), Contractor, Mysore.
NAME OF THE WORK	Improvements of roads and drains in Vijaya Bharathi School Surroundings and Other area in Bagalagunte ward no.14, BBMP, Bangalore.
SAMPLE ID	Hot Mix Plant, Bangalore
DATE OF TESTING	30.06.2022

BITUMEN CONTENT DETERMINATION

Description	Sample 1	Sample 2
1. Weight of Mixture before Test, g	500	500
2. Weight of Mixture after Test, g	472.5	472.5
3. Weight of Asphalt and Mineral matter Extracted, g	27.5	27.5
4. Weight of Mineral Matter, g.	-	-
5. Weight of Ash, g	-	-
6. Weight of Bitumen Extracted, g. (corrected)	27.5	27.5
7. Bitumen content in %	5.50	5.50
8. Average	5.50	

GRADATION AFTER EXTRACTION

SIEVE SIZE mm	Test 1 Weight Retained, gm	Cummulative Weight Retained	%Cummulative Retained	% Passing	Requirement as per MORTH table 500.17
19	0	0	0	100	100
13.2	13.7	13.7	2.9	97.1	90 - 100
9.5	64.9	78.6	16.6	83.4	70 - 88
4.75	91.3	169.9	36.0	64.0	53 - 71
2.36	48.2	218.1	46.2	53.8	42 - 58
1.18	36.8	254.9	53.9	46.1	34 - 48
0.600	57.6	312.5	66.1	33.9	26 - 38
0.300	43.3	355.8	75.3	24.7	18 - 28
0.150	35.9	391.7	82.9	17.1	12 - 20
0.075	40.1	431.8	91.4	8.6	4 - 10

SIEVE SIZE mm	Test 2 Weight Retained, gm	Cummulative Weight Retained	%Cummulative Retained	% Passing	Requirement as per MORTH table 500.17
19	0	0	0	100	100
13.2	13.9	13.9	2.9	97.1	90 - 100
9.5	65.2	79.1	16.7	83.3	70 - 88
4.75	92.1	171.2	36.2	63.8	53 - 71
2.36	45.1	216.3	45.8	54.2	42 - 58
1.18	48.9	265.2	56.1	43.9	34 - 48
0.600	56	321.2	68.0	32.0	26 - 38
0.300	44.8	366	77.5	22.5	18 - 28
0.150	37.1	403.1	85.3	14.7	12 - 20
0.075	31.6	434.7	92.0	8.0	4 - 10

Note:

þ This test report should not be reproduced except in full, without written approval of the laboratory

þ The results indicated above are based on the tests carried out on the samples collected at the site.

þ Any Query regarding the report must be reported within 30 days from the date of testing

For CIVIL AIM CONSULTANTS & ENGINEERS

Authorised Signatory

No. 01, Satvika Nilaya, Opp. Widia Poorna Prajna School,
Ramaiah Layout, Nagasandra, Bangalore - 560 073.
Ph: 9591618639, GSTIN: 29CNWPD9510K1ZB, Email: civilaimconsultants@gmail.com

Scanned with OKEN Scanner